

Abstract

There is provided a composite material, which exhibits the properties of copper alloy and aluminum alloy, and which has improved wear-resistance and seizure-resistance. By frame-spraying is prepared a copper-aluminum composite material, which consists of copper or first copper-alloy (for example Cu – Pb alloy) including at least unmelted phase and aluminum or first aluminum-alloy (for example Al – Si alloy) including at least melted phase.

1. A composite material comprising a first phase of copper or a first copper alloy, and a second phase of aluminum or a first aluminum alloy, the first phase being unmelted and the second phase being melted.